

Figure 1

Bcl-2 (N-19)

Bcl2α	atg gcg cac gct ggg aga aca ggg tac	gat aac cgg gag ata gtg atg aag tac atc cat	60
α591	atg gcg cac gct ggg aga aca ggg tac	gat aac cgg gag ata gtg atg aag tac atc cat	60
α588	atg gcg cac gct ggg aga aca ggg tac	gat aac cgg gag ata gtg atg aag tac atc cat	60
α480	atg gcg cac gct ggg aga aca ggg tac	gat aac cgg gag ata gtg atg aag tac atc cat	60
α633	atg gcg cac gct ggg aga aca ggg tac	gat aac cgg gag ata gtg atg aag tac atc cat	60
Bcl2β	atg gcg cac gct ggg aga acg ggg tac	gat aac cgg gag ata gtg atg aag tac atc cat	60
β489	atg gcg cac gct ggg aga aca ggg tac	gat aac cgg gag ata gtg atg aag tac atc cat	60
β474	atg gcg oac gct ggg aga acg ggg tac	gat aac cgg gag ata gtg atg aag tac atc cat	60
β420	atg gcg cac gct ggg aga aca ggg tac	gat aac cgg gag ata gtg atg aag tac atc cat	60
β315	atg gcg cac gct ggg aga aca ggg tac	gat aac cgg gag ata gtg atg aag tac atc cat	60

BCL-2 (AB-2)

BH4

Bcl2α	tat aag ctg tcg cag agg ggc tac gag tgg	gat gcg gga gat gtg ggc gcc gcg ccc cgg	120
α591	tat aag ctg tcg cag agg ggc tac gag tgg	gat gcg gga gat gtg ggc gcc --- --- ---	111
α588	tat aag ctg tcg cag agg ggc tac gag tgg	gat gcg gga gat gtg ggc gcc --- --- ---	111
α480	tat aag ctg tcg cag agg ggc tac --- ---	--- --- --- --- --- --- ---	84
α633	tat aag ctg tcg cag agg ggc gcg gcg gtg	gtc gag acc aga acg gcc ttt cca agg gcg	120
Bcl2β	tat aag ctg tcg cag agg ggc tac gag tgg	gat gcg gga gat gtg ggc gcc gcg ccc cgg	120
β489	tat aag ctg tcg cag agg ggc tac gag tgg	gat gcg gga gat gtg ggc gcc --- --- ---	111
β474	tat aag ctg tcg cag agg ggc cac gag tgg	gat gcg gga gat gtg ggc gcc gcg ccc cgg	120
β420	tat aag ctg --- --- --- --- ---	--- --- --- --- --- --- ---	69
β315	tat aag ctg tcg cag agg --- --- ---	--- --- --- --- --- --- ---	78

Bcl-2 (Ab-1)

BH4

Bcl2α	ggg gcc gcc ccc gcg ccg ggc atc ttc tcc tcg cag ccc ggg	cac acg ccc cat aca gcc	180
α591	---	---	111
α588	---	---	111
α480	---	---	84
α633	gcg gcg gcg gtt aca aca gct acg gtg gtt acg gcg	---	156
Bcl2β	ggg gcc gcc ccc gca ccg ggc atc ttc tcc tcg cag ccc ggg	cac acg ccc cat cca gcc	180
β489	---	---	111
β474	---	---	120
β420	---	---	69
β315	---	---	78

Bcl-2 (Ab-4)

Bcl2α	gca tcc cgg gac ccg gtc gcc agg acc tcg ccg ctg cag acc ccg gct gcc ccc ggc gcc	240	
α591	---	---	111
α588	---	---	111
α480	---	---	84
α633	---	---	156
Bcl2β	gca tcc cgg gac ccg gtc gcc agg acc tcg ccg ctg cag acc ccg gct gcc ccc ggc gcc	240	
β489	---	---	111
β474	---	---	120
β420	---	---	69
β315	---	---	78

Bcl-2 (BD), Bcl-2 (C-2)

Bcl2α	gcc gcg ggg cct gcg ctc agc ccg gtg cca cct gtg	gtc cac ctg acc ctc cgc cag gcc	300
α591	gcc gcg ggg cct gcg ctc agc ccg gtg cca cct gtg	gtc cac ctg acc ctc cgc cag gcc	171
α588	--- gcg ggg cct gcg ctc agc ccg gtg cca cct gtg	gtc cac ctg acc ctc cgc cag gcc	168
α480	---	---	84
α633	--- gcg ggg cct gcg ctc agc ccg gtg cca cct gtg	gtc cac ctg acc ctc cgc cag gcc	213
Bcl2β	gcc gcg ggg cct gcg ctc agc ccg gtg cca cct gtg	gtc cac ctg gcc ctc cgc caa gcc	300
β489	gcc gcg ggg cct gcg ctc agc ccg gtg cca cct gtg	gtc cac ctg acc ctc cgc cag gcc	171
β474	---	---	156
β420	---	---	102
β315	---	---	78

BH1

Bcl2α	ggc gac gac ttc tcc cgc cgc	tac cgc cgc gac ttc gcc gag atg tcc agg cag ctg cac	360
α591	ggc gac gac ttc tcc cgc cgc	tac cgc cgc gac ttc gcc gag atg tcc agc cag ctg cac	231
α588	ggc gac gac ttc tcc cgc cgc	tac cgc cgc gac ttc gcc gag atg tcc agc cag ctg cac	228
α480	---	--- cgc cgc gac ttc gcc gag atg tcc agc cag ctg cac	120
α633	ggc gac gac ttc tcc cgc cgc	tac cgc cgc gac ttc gcc gag atg tcc agc cag ctg cac	273
Bcl2β	ggc gac gac ttc tcc cgc cgc	tac cgc ggc gac ttc gcc gag atg tcc agc cag ctg cac	360
β489	ggc gac gac ttc tcc cgc cgc	tac cgc cgc gac ttc gcc gag atg tcc agc cag ctg cac	231
β474	ggc gac gac ttc tcc cgc cgc	tac cgc cgc gac ttc gcc gag atg tcc agc cag ctg cac	216
β420	ggc gac ggc ttc tcc cgc cgc	tac cgc cgc gac ttc gcc gag atg tcc agc cag ctg cac	162
β315	---	---	78

BH1

Bcl2α	ctg acg ccc ttc acc gcg cgg gga cgc ttt gcc acg gtg gtg gag	gag ctc ttc agg gac	420
α591	ctg acg ccc ttc acc gcg cgg gga cgc ttt gcc acg gtg gtg gag	gag ctc ttc agg gac	291
α588	ctg acg ccc ttc acc gcg cgg gga cgc ttt gcc acg gtg gtg gag	gag ctc ttc agg gac	288
α480	ctg acg ccc ttc acc gcg cgg gga cgc ttt gcc acg gtg gtg gag	gag ctc ttc agg gac	180
α633	ctg acg ccc ttc acc gcg cgg gga cgc ttt gcc acg gtg gtg gag	gag ctc ttc agg gac	333
Bcl2β	ctg acg ccc ttc acc gcg cgg gga cgc ttt gcc acg gtg gtg gag	gag ctc ttc agg gac	420
β489	ctg acg ccc ttc acc gcg cgg gga cgc ttt gcc acg gtg gtg gag	gag ctc ttc agg gac	291
β474	ctg acg ccc ttc acc gcg cgg gga cgc ttt gcc acg gtg gtg gag	gag ctc ttc agg gac	276
β420	ctg acg ccc ttc acc gcg cgg gga cgc ttt gcc acg gtg gtg gag	gag ctc ttc agg gac	222
β315	---	---	117

BH2

Bcl2α	ggg gtg aac tgg ggg agg att gtg gcc ttc ttt gag ttc ggt ggg	gtc atg tgt gtg gag	480
α591	ggg gtg aac tgg ggg agg att gtg gcc ttc ttt gag ttc ggt ggg	gtc atg tgt gtg gag	351
α588	ggg gtg aac tgg ggg agg att gtg gcc ttc ttt gag ttc ggt ggg	gtc atg tgt gtg gag	348
α480	ggg gtg aac tgg ggg agg att gtg gcc ttc ttt gag ttc ggt ggg	gtc atg tgt gtg gag	240
α633	ggg gtg aac tgg ggg agg att gtg gcc ttc ttt gag ttc ggt ggg	gtc atg tgt gtg gag	393
Bcl2β	ggg gtg aac tgg ggg agg att gtg gcc ttc ttt gag ttc ggt ggg	gtc atg tgt gtg gag	480
β489	ggg gtg aac tgg ggg agg att gtg gcc ttc ttt gag ttc ggt ggg	gtc atg tgt gtg gag	351
β474	ggg gtg aac tgg ggg agg att gtg gcc ttc ttt gag ttc ggt ggg	gtc atg tgt gtg gag	336
β420	ggg gtg aac tgg ggg agg att gtg gcc ttc ttt gag ttc ggt ggg	gtc atg tgt gtg gag	282
β315	ggg gtg aac tgg ggg agg att gtg gcc ttc ttt gag ttc ggt ggg	gtc atg tgt gtg gag	177

BH2

Bcl2α	agc gtc aac cgg gag atg tgc ccc ctg gtg gac aac atc gcc ctg tgg atg act gag tac	540
α591	agc gtc aac cgg gag atg tgc ccc ctg gtg gac aac atc gcc ctg tgg atg act gag tac	411
α588	agc gtc aac cgg gag atg tgc ccc ctg gtg gac aac atc gcc ctg tgg atg act gag tac	408
α480	agc gtc aac cgg gag atg tgc ccc ctg gtg gac aac atc gcc ctg tgg atg act gag tac	300
α633	agc gtc aac cgg gag atg tgc ccc ctg gtg gac aac atc gcc ctg tgg atg act gag tac	453
Bcl2β	agc gtc aac cgg gag atg tgc ccc ctg gtg gac aac atc gcc ctg tgg atg act gag tac	540
β489	agc gtc aac cgg gag atg tgc ccc ctg gtg gac aac atc gcc ctg tgg atg act gag tac	411
β474	agc gtc aac cgg gag atg tgc ccc ctg gtg gac aac atc gcc ctg tgg atg act gag tac	396
β420	agc gtc aac cgg gag atg tgc ccc ctg gtg gac aac atc gcc ctg tgg atg act gag tac	342
β315	agc gtc aac cgg gag atg tgc ccc ctg gtg gac aac atc gcc ctg tgg atg act gag tac	237

Bcl2α	ctg aac cgg cac ctg cac	acc tgg atc cag gat aac gga ggc tgg	---	585
α591	ctg aac cgg cac ctg cac	acc tgg atc cag gat aac gga ggc tgg	---	456
α588	ctg aac cgg cac ctg cac	acc tgg atc cag gat aac gga ggc tgg	---	453
α480	ctg aac cgg cac ctg cac	acc tgg atc cag gat aac gga ggc tgg	---	345
α633	ctg aac cgg cac ctg cac	acc tgg atc cag gat aac gga ggc tgg	---	498
Bcl2β	ctg aac cgg cac ctg cac	acc tgg atc cag gat aac gga ggc tgg	gta ggt gca tct ggt	600
β489	ctg aac cgg cac ctg cac	acc tgg atc cag gat aac gga ggc tgg	gta ggt gca tct ggt	471
β474	ctg aac cgg cac ctg cac	acc tgg atc cag gat aac gga ggc tgg	gta ggt gca tct ggt	456
β420	ctg aac cgg cac ctg cac	acc tgg atc cag gat aac gga ggc tgg	gta ggt gca tct ggt	402
β315	ctg aac cgg cac ctg cac	acc tgg atc cag gat aac gga ggc tgg	gta ggt gca tct ggt	297

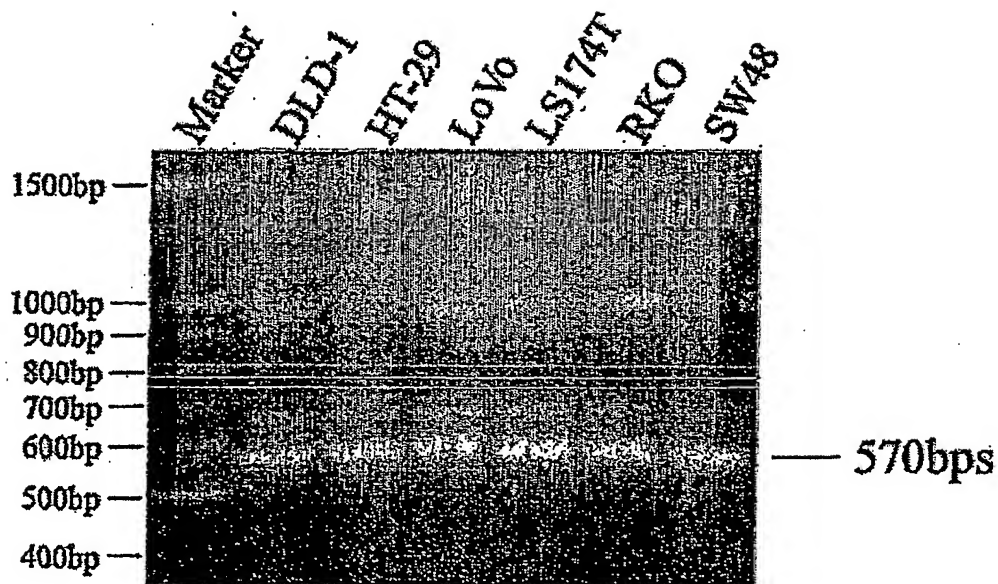
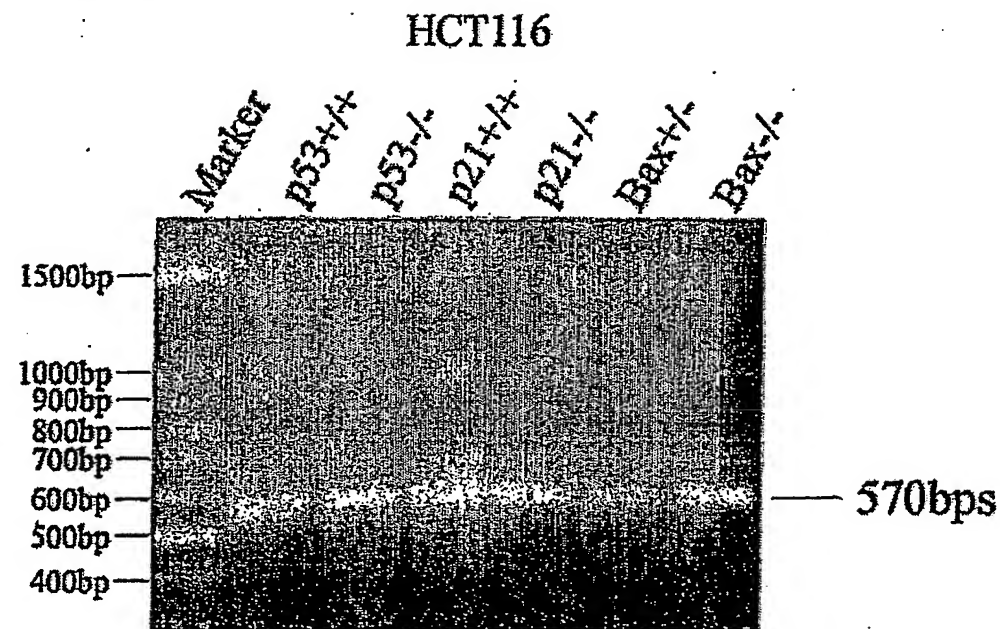
BH3

Bcl2α	---	gat gcc ttt gtg gaa ctg tac	ggc ccc agc atg cgg cct ctg	627
α591	---	gat gcc ttt gtg gaa ctg tac	ggc ccc agc atg cgg cct ctg	498
α588	---	gat gcc ttt gtg gaa ctg tac	ggc ccc agc atg cgg cct ctg	495
α480	---	gat gcc ttt gtg gaa ctg tac	ggc ccc agc atg cgg cct ctg	387
α633	---	gat gcc ttt gtg gaa ctg tac	ggc ccc agc atg cgg cct ctg	540
Bcl2β	gat gtg agt ctg ggc tga			618
β489	gat gtg agt ctg ggc tga			489
β474	gat gtg agt ctg ggc tga			474
β420	gat gtg agt ctg ggc tga			420
β315	gat gtg agt ctg ggc tga			315

Bcl2α	ttt gat ttc tcc tgg ctg tct ctg aag act ctg ctc agt ttg gcc ctg gtg gga gct tgc	687
α591	ttt gat ttc tcc tgg ctg tct ctg aag act ctg ctc agt ttg gcc ctg gtg gga gct tgc	558
α588	ttt gat ttc tcc tgg ctg tct ctg aag act ctg ctc agt ttg gcc ctg gtg gga gct tgc	555
α480	ttt gat ttc tcc tgg ctg tct ctg aag act ctg ctc agt ttg gcc ctg gtg gga gct tgc	447
α633	ttt gat ttc tcc tgg ctg tct ctg aag act ctg ctc agt ttg gcc ctg gtg gga gct tgc	600

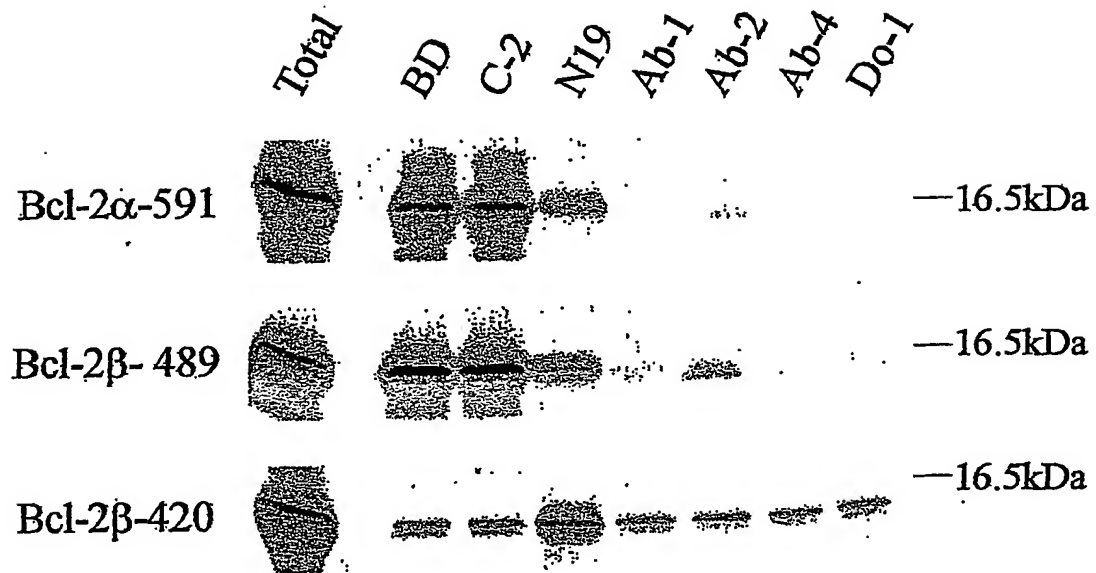
Bcl2α	atc acc ctg ggt gcc tat ctg ggc cac aag tga	720
α591	atc acc ctg ggt gcc tat ctg ggc cac aag tga	591
α588	atc acc ctg ggt gcc tat ctg ggc cac aag tga	588
α480	atc acc ctg ggt gcc tat ctg ggc cac aag tga	480
α633	atc acc ctg ggt gcc tat ctg ggc cac aag tga	633

FIGURE 2



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FIGURE 3



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Figure 4

	HCT	HCT	HCT	HCT	HCT	HCT	HCT	HCT	LoVo	LS174T	SW48
$\alpha 591$	Φ	Φ	Φ	Φ	Φ	Φ	Φ	Φ	Φ		Φ
$\alpha 588$								Φ			
$\alpha 480$								Φ			
$\alpha 633$								Φ			
$\beta 489$		Φ									
$\beta 474$										Φ	
$\beta 420$							Φ				
$\beta 315$								Φ			

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FIGURE 5 ;

